

[illegible]

Hello and welcome to yet another edition of "Numbers & Oddities", the column about numbers stations and all kind of other oddities on HF. Before I take you to this month's review, I'd like to say THANKS to the loyal N&O contributors: Peter, Attu, John, Sergey, Leif, Jim, Japan Ute Monitor, Walter, Mark, David, John, Fritz, Chris, Al, Tomonori, Takashi, Laurent and those of you who prefer not to be mentioned.

Lincolnshire Poacher
IDs used in the first half of the month:

[illegible]

| | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|------|
| 1400 | 30320 | 86149 | 38705 | 56904 | 48297 | 68643 | 73898 | 1400 |
| 1500 | 73898 | 30320 | 86149 | 38705 | 56904 | 48297 | 42899 | 1500 |
| 1600 | 42899 | 73898 | 30320 | 86149 | 38705 | 56904 | 68643 | 1600 |
| 1700 | 68643 | 42899 | 73898 | 30320 | 86149 | 38705 | 48297 | 1700 |
| 1800 | 48297 | 68643 | 42899 | 73898 | 30320 | 86149 | 56904 | 1800 |
| 1900 | 56904 | 63240 | 68643 | 63240 | 73898 | 30320 | 63240 | 1900 |
| 2000 | 63240 | 48297 | 63240 | 42899 | 63240 | 73898 | 38705 | 2000 |
| 2100 | 38705 | 56904 | 48297 | 68643 | 42899 | 63240 | 86149 | 2100 |
| 2200 | 86149 | 38705 | 56904 | 48297 | 68643 | 42899 | 30320 | 2200 |

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::: E04

Tomonori writes to tell that the call-up of Cherry Ripe has changed since May 6th. It is currently:

Cherry Ripe tune x 12
 ID x 10
 Cherry Ripe tune x 12
 ID x 10
 Cherry Ripe tune x 12
 ID x 10
 Cherry Ripe tune x 12
 ID x 10
 Cherry Ripe tune x 12
 ID x 10
 Chime x 6
 and into 5FG x 2

Thanks for the note, Tomonori.

IDs used in the first half of the month:

| UTC | Sun | Mon | Tue | Wed | Thu | Fri | UTC |
|------|-------|-------|-------|-------|-------|-------|------|
| 2200 | 55537 | 40693 | 59258 | 64105 | 40693 | | 2200 |
| 2300 | 40693 | 59258 | 64105 | 40693 | 64253 | | 2300 |
| 0000 | | 59258 | 64105 | 40693 | 64253 | 83681 | 0000 |
| 0100 | | 64105 | 40693 | 64253 | 83681 | 31929 | 0100 |
| 1000 | | 40693 | 64253 | 83681 | 31929 | 55537 | 1000 |
| 1100 | | 64253 | 83681 | 31929 | 55537 | 40693 | 1100 |
| 1200 | | 83681 | 31929 | 55537 | 40693 | 59258 | 1200 |
| 1300 | | 31929 | 55537 | 40693 | 59258 | 64105 | 1300 |

2nd half of August:

| UTC | Sun | Mon | Tue | Wed | Thu | Fri | UTC |
|------|-------|-------|-------|-------|-------|-----|------|
| 2200 | 67976 | 31264 | 13151 | 58023 | 31264 | | 2200 |

| | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|
| 2300 | 31264 | 13151 | 58023 | 31264 | 08296 | | 2300 |
| 0000 | | 13151 | 58023 | 31264 | 08296 | 01822 | 0000 |
| 0100 | | 58023 | 31264 | 08296 | 01822 | 17579 | 0100 |
| 1000 | | 31264 | 08296 | 01822 | 17579 | 67976 | 1000 |
| 1100 | | 08296 | 01822 | 17579 | 67976 | 31264 | 1100 |
| 1200 | | 01822 | 17579 | 67976 | 31264 | 13151 | 1200 |
| 1300 | | 17579 | 67976 | 31264 | 13151 | 58023 | 1300 |

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::: E05

Chris Smolinski received an interesting note that says "Drove by "Station C" in Remington, VA over the weekend. ALL of the antennas are gone. A helpful local said they got ripped out last year. The buildings are still there, fence, camera, etc. but no more antennas."

That would mean that we may not expect any E05/V05 transmissions from that site anymore. I wonder if the US HF facilities in Germany will be closed now that the majority of the US military will be withdrawn from Europe. Will Cynthia ever reappear?

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::: E10

Three different string messages were reported in August:

09/8, 1818 UTC, 4360//5170 kHz: KPA 78Z65Z0030
 10/8, 1800 UTC, 6370//6912 kHz: KPA K93Z33E28Z12Z1645
 10/8, 1850 UTC, 4360//5170 kHz: KPA K93Z33E28Z12Z1645
 11/8, 0152 UTC, 4360 kHz : KPA K93Z33E28Z12Z1645
 12/8, 0810 UTC, 6912 kHz : CIO A8B63

Alex from Austria writes that he heard FTJ on a wrong frequency... 12626 kHz at 1733 UTC with a message. "I think it should be 2626 kHz. I've never heard any E10 on 12626 kHz. Reception today was much better on 12626 than it has ever been on 2626 :-)", he says.

FTJ can occasionally be heard on 7322 kHz.

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::: V02a/M08a

David wrote me to tell that he had not heard the Cubans since hurricane Charlie passed on 13 August. Apparently the Cubans have repaired the damage as they returned to the air around the 18th.

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::: V24

The North Korean station is still 5715 kHz AM at 1400 UTC.

<<<<<>>>>>

::: V25

8870 kHz AM, 1310 UTC, 28 Aug, repeated the same text for approximately 15 minutes.

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* MORSE STATIONS *

::: MX

Channel markers:

L: 3202.8, 4424.5 kHz. The marker changed its nighttime frequency from 3336.2 to 3202.8 kHz per August 1st and its daytime frequency from 4091 to 4424.5 kHz. "L" experienced problems during the first few days on its new frequency. It sent "LE" for a while. Thanks Fritz and CK for finding the new freqs. "L" switches from nighttime to daytime schedules at 0500 UTC.

R: 5465.8 kHz

V: 3658 and 7440 kHz

P: 3772//4031//4476 kHz

An interesting note re "P" reached us via Jim:

4476 kHz: P; Prob Baltic Fleet HQ Kaliningrad 2100 CW At 2111 to 36-50/50/200 (Bee) with 3 T600 messages; P-marker; At 2130 "17744 37792 75842 33333 91554 = in OOK Morse followed by fast OOK Morse apparent 5LGs: EUHHAAAISDHISSSSSNEAAH = EEEEE NRS DT ENNAE EUUHH EUUHH ARTNI AIDNR TINEA RATDH HTUTD ... ETTIE THTRE (don't look right, so are they 5LGs?); Then 5FG msg in FSK morse 11111 86380 ... 71704 03045 K; Back to P-marker. Will investigate "fast OOK morse 5LGs" later. // 4031 kHz.

I examined the on/off keyed portion in Code30 and got only 88.9 Baud synchronous data with a possible ACF of 12. (It's very difficult to measure an on/off keyed signal as data). On copying again this portion as Morse, I'm left with the conclusion that it really is Morse, despite the lack of Cyrillic letters. It comes in groups of five letters and has a separative (=, BT) after the initial 15-letter leading EUHHAAAAAISDHI. (I copied it incorrectly, it should be

EUHHAAAAAISDHI = SSSSS NEAHH EEEEE NRS DT ENNAE and so on). It ends
ETTIE THTRE =

As to what the purpose of all these different modes on one outlet is,
your guess is as good as mine!

Cluster beacons:

The European beacons were probably activated because of the Russian
naval exercises, C, D, P and S were audible on all of the cluster
frequencies with the exception of 3 MHz. The Asian beacons F, K and
M were also active throughout the month.

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::: M08

ENIGMA has changed the designator of the M08a schedules to M08c. The
reason was a change in the messages of M08a. Since December 2003 the
Cubans are using "OE" for the old "AR" and "K" for the former "BT" in
their format. The "E" in "OE" is more like a partial dit than a full
dit. (info via Mark Slaten).

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::: M21

Logged on two frequencies: 3246.5 and 6330 kHz.

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::: M40

Our correspondent from Alaska, Attu Bosch, reports M40 activity.

6238 kHz: 1530 UTC, 22 August

VVV CQ 615.541 VVV CQ 615.541
VVV CQ 615.541 VVV CQ 615.541
VVV CQ 615.541 VVV CQ 615.541
VVV CQ 615.541 VVV CQ 615.541
VVV CQ 615.541 VVV CQ 615.541
VVV CQ 615.541 VVV CQ 615.541
VVV CQ 615.541 VVV CQ 615.541
BT BT
03484 17494 24439 86759 37318
80697 07825 29550 44573 57157
74531 77645 33908 20229 93691
08340 79932 80297 50957 91241
10262 63476 95495 69786 09985

51464 44272 42182 00762 81417
48804 54415 47064 78382 44353
08870 78604 89870 04085 43383
15410 AR AR
RPT RPT VVV CQ 541 cq 541
CQ 541 HR HR
41 41 BT BT
03484 17494 24439 86759 37318
80697 07825 29550 44573 57157
74531 77645 33908 20229 93691
08340 79932 80297 50957 91241
10262 62476 95495 69786 09985
51464 44272 42182 00762 81417
48804 54415 47064 78382 34353
08870 78604 89870 04085 43383
15410 AR AR SK SK

5408 kHz: 1510 UTC, 22 August

VVV CQ 541 CQ 541 CQ 541
HR 41 41 BT BT
03484 17494 24439 86759 37318
80697 07825 29550 44573 57157
74531 77645 33908 20229 93691
08340 79932 80297 50957 91241
10262 63476 95495 69786 09985
51464 44272 42182 00762 81437
48804 54415 47064 78382 34353
08870 78604 89870 04085 43383
15410 AR AR SK SK

6238 kHz, 1534 UTC, 21 August

CQ 615.541 CQ 615.541
BT 41 41 BT
03484 17494 24439 86759 37318
80697 07825 29550 44773 57157
74531 77645 43908 20229 93691
08340 79932 80297 50957 91241
10262 63476 95495 69786 09985
51464 44272 42182 00762 81417
48804 54415 47064 78382 34353
08870 78604 89870 04085 43383
15410

RPT RPT CQ 541 541 CQ 541 541
BT 41 41 BT
03484 17494 24439 86759 37318

80697 07825 29550 44573 57157
74531 77645 43908 20229 93691
08340 79932 80297 50957 91241
10262 63476 95495 69786 09985
51464 44272 42182 00762 81417
48804 54415 47064 78382 34353
08870 78604 89870 04085 43383
15410 AR AR SK SK

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::: M89

L9CC was observed on 7051, 7055, 7065, 7069, 7071, 7072, 7084, 7088.5
and 7098 kHz.

4XML used 8457 and 10822 kHz for its round slip
"BFR7 BFR7 BFR7 de 4XML 4XML"

-0-0-0-0-0-0-0-0-0-0-

* VARIOUS MODES *

XSL - Japanese Navy "Slot Machine" on 4153, 4231.5, 4291, 6250, 6417,
6445, 8313, 8588, 8703.5 kHz

XSW - Squeaky Wheel on 3828.9 kHz

S28 - The Buzzer on 4625 kHz

S30 - The Pip on 3756 kHz. Also often heard on 7512 kHz.

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::: M42 / X06

Department of State Communications, Moscow.

| Freq. | UTC | date | mode | remarks |
|-------|------|------|-----------------|--|
| ----- | ---- | ---- | ----- | ----- |
| 16137 | 1054 | 31-7 | MFSK-32/CROWD36 | short msg "QSY 14568 16235 18454 QRU K" |
| 16221 | 0752 | 31-7 | Mazielka calls | |
| 18247 | 0824 | 31-7 | MFSK-32/CROWD36 | traffic on link 00063 |
| 18506 | 0816 | 31-7 | MFSK-32/CROWD36 | traffic on link 60047 |

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::: RADAR

The ticks of the Iranian Radar were audible during a couple of days in August on +/- 14000 and 21000 kHz. The pulses are 12 kHz wide.

-0-0-0-0-0-0-0-0-0-0-

* UNID STATIONS *

::: 6825 kHz

Since mid-April a odd station pops up every now and then on 6825 kHz. It sounds quite musical. It has been heard in Europe with a good signal in the morning and between 1500-2000 UTC. Sometimes for hours.

I received a note from Dallas in New Zealand who has heard the signal between 1800-1900 UTC. He says that Radio China International has a powerful transmitter on 6825 kHz and a feeder of 10 kw on a sideband for SE Asia. It is quite possible that it is them playing around. RCI has several unlisted transmitters between 6825 and 6840 kHz.

You can find a sound sample on the N&O website at:
<http://home.luna.nl/~ary/>

-0-0-0-0-0-0-0-0-0-0-

* MILITARY STATIONS *

18.1 RDL: Russian Military VLF Site Krasnodar
18.1 RDL: Russian Military VLF Site Nizhny Novgorod
18.1 RDL: Russian Military VLF Site Arkhangelsk
3261 Ukranian Military. Callsigns: SS9A, CCTG, M1ET, OESO
3531 REA4: Russian Air Force HQ, Moscow. Broadcast to aircraft
//4357//7959 kHz.
3808.5 Russian Navy? Broadcast. RJT45 de RJD69 QTC 406 22 ...

3835 Russian Military. Callsign: GUVS. Broadcast message:
GUVS QTC 647 30 15 0340 647 = 8738 7385 2575 ...
5077 1426 477 = Repeats, ending RPT AL QLN AR. //3835.
LDBO alternate.
3844 Ukranian Military. Callsigns: HKCJ, XND9
3882 Ukranian Military. Callsign: J490
4031 Russian Navy Kaliningrad. Channel marker "P" + at least 3
messages in T600. //4476 kHz.
4051 Ukranian Military. Callsigns: 1B6Q, 1LPV, DKAY
4365 RCC wkg/RIY93, RMK22, RJB22, RJP83, RJI39. *)
4467 Russian Military. Callsigns: BCVG, CZXF, SV5P, ABL1, ZJDQ,
PJYT, 3GMS, Q50G. QSX 5874 kHz.

4476 Russian Military. Callsign: RDL + "P" marker. Morse message
83129 54156 ??887 33333

4811 Callsign: TUAR

4825 UNID. Russian Military??? Mode: LSB. Encrypted messages in
Russian transmitted every 2 minutes.
Examples: "06 16th 534 19 in 69th for 46 2
0638 534 65 in 92nd for 46 2
in 92nd for 46 2
0709 73 in 34th for 46 2
07 75th 534 39 for 46 2"

(Note that one of the last groups represents the time (minutes)
like "46" and "37" in the following log.)

4825 Nabor-61 counting from 1 to 0 (recorded YL). Radio check
with Lotos-05. "000" Called "Vozdukh" and worked with 001, 002,
003, 004, 005, 006. Every minute a message was transmitted.
Example: "first five 09 in 32 to 3rd for 37"
Shpora-19 calling Lotos-05; "ASA" calling "SJA"

5210 Russian Military: Callsigns: AZART, TRESK

5874 Russian Military. Callsigns: KN1B, 4FTB, QSX 4467 kHz

6148 Callsign: ZY6V with 5LGs in Cyrillic.

6767 Russian Military. Callsigns: SJ7X, 2YW9

6846 Russian Military. Callsigns: A7W7, BEKE, 4CMR, GRAR, 6VFF,
DKJU, L3Z6, JFQ2, MKLC, VGBE, F9ZC, WPXB, B74U, PZHQ, WOWJ.
Sample message: "514 46 40 2308 514 = 108 = PPPPP DUSoM MRRXE ...
DUSoM MRRXE EPPRE 704 K". QSX 5879 kHz.

7614 RGT77: Russian Military

7629 RIW: Naval HQ Moscow wkg/RGV82

7959 REA4: Russian Air Force HQ Moscow. //4357//3531 kHz.

8345 RFH. "RCV de RFH"

8816 RJF94: Central Sector Control Stn Moscow. Reads back message to
aircraft ..128 'RJF94 QQM XLAA 1128 K'.
47896: Russian Naval Aircraft wkg RJF94/Moscow Control "QT0
1230 QRD XLMO XLAA QBD 3700 QRE 1400 RPT AL K'. RJF94 repeats
back. (Airborne 1230. Bound for XLMO from XLAA. Endurance 3hrs
7mins. ETA XLMO 1400UTC).

8778 Russian Military. Callsign: HTDI

9913 Russian Military. Callsign: W5W7, ARP6

9288 Russian Military. Callsigns: KGG9, GEAE, KNKK, QOKV, 2SIK

11000 RIW: Russian Navy HQ Moscow wkg/RKW95 and RHN85

11418 RMP: Russian Navy Kaliningrad wkg/RHN85, requesting QSX on 8302
& 8454 kHz. Also calling RHN9

12227 XNHT

12374 RHN85: Russian Warship wkg RIW on 12398 kHz.

12398 RIW: Naval HQ Moscow wkg RHN85

12832 RDL: Russian Military

13479 REA4: Air Force HQ Moscow

14141 RJF94 wkg/RFJ95. QSX 18136 kHz

14148 RGT77: Russian Military

16912 RDL: Russian Military //18.1 kHz
17468 RIW Russian navy clg "RGV82 DE RIW QYT QSX 21 4 8 3 / 21 4 83 k"

*) RCC, Petropavlovsk continues to use 4365 to 4366 kHz this past month. First noted him on 4366 kHz it seems they've shifted down one kHz as the month wore on. Also the volume of traffic from/to RCC has decreased somewhat. 5015 kHz was vibrant with activity from RCC and RJC last fall. This summers action has yet to occupy 5015 kHz. Kept careful watch of 5015 kHz for RJC. He's apparently elusive from my receivers. (info: Attu Bosch)

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★ INTELLIGENCE NEWS ★

RUSSIA AND NORWAY'S SECRET SPY WAR.

Norway has revealed that it expelled a Russian diplomat in January for "activities incompatible with his diplomatic status" ñ the standard formulation for espionage. A Norwegian Foreign Ministry spokesman, Karsten Klepshvik, would not reveal the Russian diplomat's identity or why he was expelled, but said it was not "without good reason." Russia retaliated in February, expelling a deputy Norwegian consul based in the Russian Arctic port of Murmansk, but Reuters reports that the two sides kept the tit-for-tit expulsions secret until now "apparently to avoid escalating the dispute."

(Source: American Foreign Policy Council, 20 Aug 2004)

-0-0-0-0-0-0-0-0-0-0-

★ LOGS SECTION ★

| | | |
|--------|------|--|
| 3025.0 | M08c | ID 98152 72484 48343 CW 7-8-2004 Sat 1000 (MS) |
| 3150.0 | E10 | PCD AM 8-8-2004 Sun 0300 (BS4) |
| 3150.0 | E10 | PCD2//6498 AM 23-8-2004 Mon 0030 (BS4) |
| 3202.8 | MX | Channel marker "L" on a new frequency CW 4-8-2004 Wed 1921 (AB) |
| 3202.8 | MX | Channel marker "L" CW 9-8-2004 1820 (CK) |
| 3202.8 | MX | Channel marker "L" CW 30-8-2004 1530 (CK) |
| 3244.0 | M08c | ID 31004 06114 22092 CW 7-8-2004 Sat 1000 (MS) |
| 3246.5 | M21 | Russian Air Defence "=99?0022??0???" CW 20-8-2004 Fri 2020 (ANEUR) |
| 3296.0 | M08c | i/p CW 10-8-2004 Tue 0405 (BM) |
| 3658 | MX | Channel marker "V" CW 9-8-2004 1820 (CK) |
| 3756 | S30 | The pip CW 4-8-2004 Wed 2038 (AB) |
| 3772 | MX | Channel marker "P" + 5FGs and 5LGs. //4031//4476 kHz CW 4-8-2004 Wed 1921 (AB) |
| 3828.9 | XSW | Squeaky Wheel channel marker 4-8-2004 Wed 2038 (AB) |

3840.0 E10 YHF AM 23-8-2004 Mon 0005 (BS4)
3926.0 M08c ID 31003 06113 22091 CW 6-8-2004 Fri 1000 (MS)
4015.0 E10 VLB2//5230 AM 10-8-2004 Tue 0145 (BS4)
4028.0 V02a i/p; back up after hurricane AM 21-8-2004 Sat 0609
4031 MX Channel marker "P" + 5FGs and 5LGs. //4476//3772 kHz
CW 4-8-2004 Wed 1921 (AB)
4031 MX Channel marker "P" CW 15-8-2004 1908 (RGA)
4031 MX Channel marker "P" CW 17-8-2004 2136 (BCI)
4153 XSL Japanese navy "slot machine" 9-8-2004 1709 (TI)
4165.0 E10 MIW2 AM 8-8-2004 Sun 2215 (JS3)
4165.0 E10 MIW2/6912 AM 10-8-2004 Tue 2115 (JS3)
4165.0 E10 MIW2 AM 11-8-2004 Wed 2215 (JS3)
4165.0 E10 MIW2 AM 18-8-2004 Wed 1915 (JS3)
4231.5 XSL Japanese navy "slot machine" 9-8-2004 1709 (TI)
4270.0 E10 PCD 82 PSRPW AM 23-8-2004 Mon 0005 (BS4)
4291 XSL Japanese navy "slot machine" 9-8-2004 1709 (TI)
4360 E10 KPA 78Z65Z0030 AM 1815 (JAQ)
4360 E10 KPA K93Z33E28Z12Z1645 //5170 kHz AM 10-8-2004 Tue
1850 (AB)
4360.0 E10 KPA2/5170 AM 8-8-2004 Sun 2215 (JS3)
4360.0 E10 String msg: KPA78Z65Z0030 - repeated over and over /
5170 AM 9-8-2004 Mon 1900 (JS3)
4360.0 E10 KPA K93Z33E28Z12Z1645 AM 11-8-2004 Wed 0152 (BS4)
4360.0 E10 KPA2/5170, 6912 AM 11-8-2004 Wed 2215 (JS3)
4360.0 E10 KPA2/5170, 6912 (from 1850 on) AM 18-8-2004 Wed 1845
(JS3)
4424.5 MX Channel marker "L" CW 0613 (WC)
4424.5 MX Channel marker "L" CW 30-8-2004 0515 (CK)
4461.0 E10 FTJ AM 8-8-2004 Sun 0300 (BS4)
4461.0 E10 FTJ AM 16-8-2004 Mon 0100 (BS4)
4476 MX Channel marker "P" CW 31-7-2004 2109 (AJP)
4476 MX Channel marker "P" + 5FGs and 5LGs. //3772//4031 kHz
CW 4-8-2004 Wed 1921 (AB)
4476 MX Channel marker "P" CW 21-8-2004 0117 (BCI)
4476.0 MX "P" cluster beacon CW 7-8-2004 Sat 0226 (MS)
4476.0 MX "P" cluster beacon CW 8-8-2004 Sun 0156 (MS)
4476.0 MX "P" channel marker CW 14-8-2004 Sat 0123 (MS)
4560 E10 YHF 2 AM 9-8-2004 1732 (TI)
4560.0 E10 YHF AM 6-8-2004 Fri 0230 (BS4)
4625 S28 The buzzer 4-8-2004 Wed 2038 (AB)
4625.0 S28 The Buzzer 11-8-2004 Wed 0100 (SMA)
4648.0 E10 CI02//6912 AM 10-8-2004 Tue 0145 (BS4)
4848.0 M1B 210 CW 3-8-2004 Tue 1820 (HFD)
4880.0 E10 ULX2 AM 1-8-2004 Sun 0330 (BS4)
4880.0 E10 ULX 56 ZCIJK/6270 AM 5-8-2004 Thu 2030 (JS3)
4880.0 E10 ULX 29 AONZA AM 6-8-2004 Fri 0230 (BS4)
4880.0 E10 ULX 29 AONZA AM 9-8-2004 Mon 0230 (BS4)
4880.0 E10 ULX2 AM 11-8-2004 Wed 2200 (JS3)

4880.0 E10 ULX AM 16-8-2004 Mon 0230 (BS4)
 4880.0 E10 ULX 29 AONZA AM 17-8-2004 Tue 0230 (BS4)
 4880.0 E10 ULX 29 AONZA AM 19-8-2004 Thu 0230 (BS4)
 4880.0 E10 ULX AM 19-8-2004 Thu 0400 (BS4)
 4880.0 E10 ULX 29 AONZA AM 21-8-2004 Sat 0230 (BS4)
 4880.0 E10 ULX 25 GZIZF AM 23-8-2004 Mon 0030 (BS4)
 4880.0 E10 ULX 29 AONZA AM 24-8-2004 Tue 0230 (BS4)
 5091 E10 JSR AM 9-8-2004 1833 (TI)
 5091.0 E10 JSR AM 1-8-2004 Sun 0330 (BS4)
 5091.0 E10 JSR 92 SPUAV/7540 AM 8-8-2004 Sun 1900 (JS3)
 5091.0 E10 JSR in tfc AM 12-8-2004 Thu 0330 (BS4)
 5091.0 E10 JSR in tfc AM 21-8-2004 Sat 0330 (BS4)
 5153.7 MX Cluster beacon "D" CW 23-8-2004 2210 (BCI)
 5153.8 MX Cluster beacon "P" CW 1630 (WC)
 5153.8 MX Cluster beacon "P" CW 13-8-2004 Fri 0522 (AB)
 5153.8 MX Cluster beacon "P" CW 14-8-2004 Sat 0121 (MS)
 5153.8 MX Cluster beacon "P" CW 23-9-2004 2210 (BCI)
 5153.9 MX Cluster beacon "S" CW 3-8-2004 Tue 1913 (AB)
 5153.9 MX Cluster beacon "S" CW 23-9-2004 2210 (BCI)
 5154 MX Cluster beacon "C" CW 3-8-2004 Tue 1913 (AB)
 5154.3 MX Cluster beacon "K" CW 9-8-2004 1732 (TI)
 5154.4 MX Cluster beacon "M" CW 9-8-2004 1732 (TI)
 5170 E10 KPA 78Z65Z0030 AM 1815 (JAQ)
 5170 E10 KPA K93Z33E28Z12Z1645 //4360 kHz AM 10-8-2004 Tue
 1850 (AB)
 5170 E10 KPA AM 10-8-2004 2205 (BCI)
 5170.0 E10 KPA2/4360 AM 8-8-2004 Sun 2215 (JS3)
 5170.0 E10 String msg: KPA78Z65Z0030 - repeated over and over /
 4360 AM 9-8-2004 Mon 1900 (JS3)
 5170.0 E10 KPA2/4360, 6912 AM 11-8-2004 Wed 2215 (JS3)
 5170.0 E10 KPA2/4360, 6912 (from 1850 on) AM 18-8-2004 Wed 1845
 (JS3)
 5230 E10 VLB2 AM 21-8-2004 0044 (BCI)
 5230.0 E10 VLB2 AM 6-8-2004 Fri 1945 (JS3)
 5230.0 E10 VLB2//4015 AM 10-8-2004 Tue 0145 (BS4)
 5230.0 E10 VLB2 AM 13-8-2004 Fri 1845 (JS3)
 5230.0 E10 VLB2 AM 18-8-2004 Wed 1845 (JS3)
 5435.0 E10 ART in tfc AM 10-8-2004 Tue 0130 (BS4)
 5435.0 E10 ART2 AM 12-8-2004 Thu 0200 (DM)
 5435.0 E10 ART2 AM 23-8-2004 Mon 0005 (BS4)
 5435.0 XM "Whale Call" or "Backwards music" on frequency with
 periodic 30-8-2004 Mon 0200 (MT2)
 5465.8 MX Channel marker "R" CW 0151 (WC)
 5465.8 MX Channel marker "R" CW 3-8-2004 Tue 1913 (AB)
 5465.8 MX Channel marker "R" CW 9-8-2004 1820 (CK)
 5622.0 M13 411 (R5) BT 264 21 BT CW 8-8-2004 Sun 0430 (MS)
 5715 V24 N.Korean numbers station AM 16-8-2004 1400 (TY)
 5733.0 M13 378 (R5) BT 274 20 BT CW 8-8-2004 Sun 0300 (MS)

5745.0 S06 624 interference from E03 on 5746 kHz AM 3-8-2004 Tue
1800 (HFD)
5935.0 E10 E 10 and XM "Whale call" on frequency with periodic
digital d AM 29-8-2004 Sun 0201 (MT2)
6238 M40 CQ 615.514 CW 21-8-2004 1534 (AtB)
6238 M40 CQ 615.541 CW 22-8-2004 1530 (AtB)
6250 XSL Japanese navy "slot machine" 9-8-2004 1709 (TI)
6270.0 E10 ULX 56 ZCIJK/4880 AM 5-8-2004 Thu 2030 (JS3)
6270.0 E10 ULX2//7760 AM 16-8-2004 Mon 0100 (BS4)
6330 M21 Russian Air Defense CW 13-8-2004 1023 (TY)
6370 E10 in progress AM 9-8-2004 1746 (TI)
6370 E10 KPA K93Z33E28Z12Z1645 //6912 kHz AM 10-8-2004 Tue
1800 (AB)
6370.0 E10 "KPAK93Z33E28Z12Z1645" // 6912 AM 10-8-2004 Tue
1045 (CK)
6417 XSL Japanese navy "slot machine" 9-8-2004 1710 (TI)
6445 XSL Japanese navy "slot machine" 9-8-2004 1710 (TI)
6498.0 E10 PCD2 AM 1-8-2004 Sun 0330 (BS4)
6498.0 E10 PCD2//3150 AM 23-8-2004 Mon 0030 (BS4)
6627.0 M13 757 (R5) BT (too weak - fades out) CW 6-8-2004 Fri
6758.0 S17C 60033 AM 9-8-2004 Mon 1250 (HFD)
6758.0 S17C 61032 AM 10-8-2004 Tue 1250 (HFD)
6758.0 S17C 69033 AM 11-8-2004 Wed 1250 (HFD)
6758.0 S17C 53053 AM 12-8-2004 Thu 1250 (HFD)
6758.0 S17C 58033 AM 14-8-2004 Sat 1250 (HFD)
6758.0 S17C Calling AM 24-8-2004 Tue 1245 (Red)
6758.0 S17C 66033 AM 25-8-2004 Wed 1250 (HFD)
6768.0 V02a i/p AM 9-8-2004 Mon 0441 (BM)
6840.0 E10 EZI2//9130 AM 1-8-2004 Sun 0330 (BS4)
6840.0 E10 EZI2 AM 12-8-2004 Thu 0200 (DM)
6840.0 E10 EKI (?); very poor conditions. Most of message was at
or up AM 13-8-2004 Fri 0232 (MT2)
6840.0 E10 EZI2//9130 AM 16-8-2004 Mon 0100 (BS4)
6840.0 E10 EZI//9130 AM 16-8-2004 Mon 0130 (BS4)
6840.0 E10 //9130 AM 16-8-2004 Mon 0200 (DM)
6840.0 E10 EZI; call up to msg. @ 0206. // 9310 AM 25-8-2004 Wed
0208 (MT2)
6840.0 E10 EZI; call up to msg. @ 0235. 3 sets of messages. AM
25-8-2004 Wed 0230 (MT2)
6840.0 E10 EZI; call up. 5 set phonetic letters // 9130 AM
25-8-2004 Wed 0302 (MT2)
6840.0 E10 EZI; call up; not heard after 0339;// 9130 AM
25-8-2004 Wed 0333 (MT2)
6912 E10 CIO A8B63 AM 0810 (CK)
6912 E10 KPA K93Z33E28Z12Z1645 //6370 kHz AM 10-8-2004 Tue
1800 (AB)
6912.0 E10 CIO2 AM 6-8-2004 Fri 1945 (JS3)
6912.0 E10 CIO2 AM 8-8-2004 Sun 2215 (JS3)

6912.0 E10 CI02//4648 AM 10-8-2004 Tue 0145 (BS4)
6912.0 E10 "KPAK93Z33E28Z12Z1645" // 6370 AM 10-8-2004 Tue
1045 (CK)
6912.0 E10 "MIW2" AM 10-8-2004 Tue 1915 (CK)
6912.0 E10 MIW2/4165 AM 10-8-2004 Tue 2115 (JS3)
6912.0 E10 CI02 AM 11-8-2004 Wed 0152 (BS4)
6912.0 E10 KPA2/4360, 5170 AM 11-8-2004 Wed 2215 (JS3)
6912.0 E10 "CI0A8B63" special message AM 12-8-2004 Thu 0805 (CK)
6912.0 E10 CI02 AM 13-8-2004 Fri 1845 (JS3)
6912.0 E10 CI02 Out of time slot AM 14-8-2004 Sat 0400 (BS4)
6912.0 E10 CI02 (changed into KPA2) AM 18-8-2004 Wed 1845 (JS3)
6912.0 E10 KPA2/3460, 5170 AM 18-8-2004 Wed 1850 (JS3)
6930.0 E10 CI02 AM 6-8-2004 Fri 1945 (JS3)
6930.0 E10 SYN2 AM 8-8-2004 Sun 2215 (JS3)
6930.0 E10 "Tiara, Echo, Zulu, Two" repeated over and over by
female. S AM 9-8-2004 Mon 0245 (MT2)
6930.0 E10 SYN2 AM 10-8-2004 Tue 0145 (BS4)
6930.0 E10 SYN2 AM 13-8-2004 Fri 1845 (JS3)
6930.0 E10 SYN2 Out of time slot AM 14-8-2004 Sat 0400 (BS4)
6930.0 E10 SYN2 AM 18-8-2004 Wed 1845 (JS3)
6959 E03 LP in progress USB 9-8-2004 1743 (TI)
6959.0 E03 Sign on. USB 2-8-2004 Mon 2200 (N8KDV)
6959.0 E03 USB 23-8-2004 Mon 2200
6986.0 E10 ART 12 QXUB AM 19-8-2004 Thu 0400 (BS4)
6986.0 E10 ART, extremely weak here S0 in and out of noise AM
27-8-2004 Fri 0430 (ZW)
7038.0 MX "D" channel marker CW 14-8-2004 Sat 0114 (MS)
7038.0 MX "D" Channel marker // 10871 Khz. CW 15-8-2004 Sun 0251
(MT2)
7038.7 MX Cluster beacon "D" CW (TRI)
7038.7 MX Cluster beacon "D" CW 0311 (WC)
7038.7 MX Cluster beacon "D" CW 13-8-2004 Fri 0522 (AB)
7038.8 MX Cluster beacon "P" CW (TRI)
7038.8 MX Cluster beacon "P" CW 13-8-2004 Fri 0522 (AB)
7038.9 MX Cluster beacon "S" CW (TRI)
7038.9 MX Cluster beacon "S" CW 0611 (WC)
7038.9 MX Cluster beacon "S" CW 3-8-2004 Tue 1913 (AB)
7038.9 MX Cluster beacon "S" CW 9-8-2004 1820 (CK)
7038.9 MX Cluster beacon "S" CW 13-8-2004 Fri 0522 (AB)
7039 MX Cluster beacon "C" CW 1602 (WC)
7039 MX Cluster beacon "C" CW 3-8-2004 Tue 1913 (AB)
7440 MX Channel marker "V" CW 0147 (WC)
7440 MX Channel marker "V" CW 4-8-2004 0102 (AJP)
7475.0 S10D 555:679-78/34= 42494, //9165 AM 14-8-2004 Sat 2130
7481.0 V02a No carrier until right before transmission @ 0901. ID
88816 2 AM 4-8-2004 Wed 0901 (CCF)
7481.0 V02a Might have missed ID otherwise sounded like they went
right i AM 11-8-2004 Wed 0901 (CCF)

7481.0 V02A Carrier @ 0905, msg began @ 0929, ID 88816 252 166,
Guess the AM 12-8-2004 Thu 0929 (CCF)
7540.0 E10 JSR 92 SPUAV/5091 AM 8-8-2004 Sun 1900 (JS3)
7663.0 E11 232/00 AM 12-8-2004 Thu 0800 (HFD)
7690 E10 KPA AM 30-8-2004 0613 (BCI)
7739.0 E07 701:0 AM 6-8-2004 Fri 0510 (HFD)
7739.0 E07 701:0 AM 25-8-2004 Wed 0510 (HFD)
7760.0 E10 ULX2//6270 AM 16-8-2004 Mon 0100 (BS4)
7760.0 E10 ULX2, weak S1 AM 27-8-2004 Fri 0430 (ZW)
7822.0 X06 After the signal stopped, the carrier stayed half a
minute ti 6-8-2004 Fri 1713 (JS3)
7887.0 V02c (in progress-missed callups)(pause after every 10th
group, 30 AM 8-8-2004 Sun 0900 (MS)
7918.0 E10 YHF 43 KGLSJ, ?? ????? AM 4-8-2004 Wed 0130 (BS4)
7918.0 E10 YHF2 AM 5-8-2004 Thu 2030 (JS3)
7918.0 E10 YHF ?? ?????, 75 HKTKG AM 10-8-2004 Tue 0130 (BS4)
7918.0 E10 YHF 43 KGLLJ, ?? ????? AM 16-8-2004 Mon 0130 (BS4)
7918.0 E10 YHF2 AM 24-8-2004 Tue 0230 (BS4)
8028 XM Whales 18-8-2004 Wed 1937 (AB)
8096.0 V02a V2a w/tx in CW mode. Uncopyable. CW 9-8-2004 Mon 0500
(BM)
8097.0 V02a i/p AM 12-8-2004 Thu 0521 (BM)
8097.0 V02A In progress - monitored arround 0640 AM 12-8-2004 Thu
0600 (JS3)
8135.0 M08c ID 65842 19272 92862 CW 6-8-2004 Fri 2300 (MS)
8136.0 M08c ID 74751 80222 46954 CW 8-8-2004 Sun 1000 (MS)
8190.0 S10D 555:512-###/37, 415-###/33 AM 24-8-2004 Tue 1740 (HFD)
8313 XSL Japanese navy "slot machine" 9-8-2004 1710 (TI)
8457 M89 BFR7 DE 4XML CW 20-8-2004 2226 (BCI)
8464.0 E03 Sign on. USB 1-8-2004 Sun 2200 (N8KDV)
8493.7 MX Cluster beacon "D" CW 0310 (WC)
8494.0 MX .--- / -.. J and D at the same time, S1, weak signal
CW 13-8-2004 Fri 0022 (COR)
8494.7 MX Cluster beacon "D" CW 13-8-2004 Fri 0522 (AB)
8494.8 MX Cluster beacon "P" CW 13-8-2004 Fri 0522 (AB)
8494.9 MX Cluster beacon "S" CW 3-8-2004 Tue 1913 (AB)
8494.9 MX Cluster beacon "S" CW 13-8-2004 Fri 0522 (AB)
8495 MX Cluster beacon "C" CW 3-8-2004 Tue 1913 (AB)
8495.2 MX Cluster beacon "F" CW 9-8-2004 1726 (TI)
8495.3 MX Cluster beacon "K" CW 9-8-2004 1726 (TI)
8495.4 MX Cluster beacon "M" CW 9-8-2004 1726 (TI)
8588 XSL Japanese navy "slot machine" 9-8-2004 1710 (TI)
8588.0 XSL Moderate here today (S5) after weeks of no signal
10-8-2004 Tue 1200 (ZW)
8588.0 XSL Slot machine, S5 here 26-8-2004 Thu 1230 (ZW)
8588.0 XSL Slot Machine, strong signal S7 27-8-2004 Fri 1200
8703.5 XSL Japanese navy "slot machine" 9-8-2004 1711 (TI)
8703.5 XSL Slot machine S4 here 27-8-2004 Fri 1200 (ZW)

8870 V25 Repeating the same text for 15 min. AM 28-8-2004 1310
9042.0 E07 701:0 AM 6-8-2004 Fri 0530 (HFD)
9062.0 M08c Xmsn ended at 0428Z with "OE OE OE 0 0 0" CW
26-8-2004 Thu 0400 (ZW)
9113.0 M08c CW 10-8-2004 Tue 0700 (BM)
9120.0 G06 308:0 AM 2-8-2004 Mon 2000 (HFD)
9125.0 S06 196 AM 13-8-2004 Fri 0610 (HFD)
9130.0 E10 EZI2//6840 AM 1-8-2004 Sun 0330 (BS4)
9130.0 E10 EZI 19 ZUJJS AM 5-8-2004 Thu 0300 (BS4)
9130.0 E10 EZI ?? ?????, 58 LXUNF//11565 AM 6-8-2004 Fri 0230
9130.0 E10 EZI 19 ZUJJS AM 8-8-2004 Sun 0300 (BS4)
9130.0 E10 EZI2//6840 AM 16-8-2004 Mon 0100 (BS4)
9130.0 E10 EZI//6840 AM 16-8-2004 Mon 0130 (BS4)
9130.0 E10 //6840 AM 16-8-2004 Mon 0200 (DM)
9130.0 E10 EZI//11565 AM 16-8-2004 Mon 0230 (BS4)
9130.0 E10 Female, 3 letter phonetic AM 18-8-2004 Wed 0133 (MT2)
9130.0 E10 "Echo, Kilo, India" call up. signal dropped into
static floor AM 18-8-2004 Wed 0233 (MT2)
9130.0 E10 Very poor reception. AM 18-8-2004 Wed 0302 (MT2)
9130.0 E10 missed call-up, very faint here AM 19-8-2004 Thu 0300
9130.0 E10 EZI 87 OTKYT, ?? ????? AM 20-8-2004 Fri 0230 (BS4)
9130.0 E10 EZI AM 22-8-2004 Sun 0230 (BS4)
9130.0 E10 EZI; Call up to 3 phonetic letter count. Poor
conditions. AM 23-8-2004 Mon 0231 (MT2)
9130.0 E10 EZI 95 JJDBB, 18 PJNWA AM 24-8-2004 Tue 0230 (BS4)
9130.0 E10 EZI; call up to msg. @ 0206. // 6840 AM 25-8-2004 Wed
0204 (MT2)
9130.0 E10 EZI; call up. 5 set phonetic letters // 6840 AM
25-8-2004 Wed 0302 (MT2)
9130.0 E10 EZI; call up; not heard after 0339;// 6840 AM
25-8-2004 Wed 0333 (MT2)
9130.0 E10 EZI2 AM 27-8-2004 Fri 0430 (ZW)
9130.0 E10 EZI; call up to 5 phonetic letter sets. AM 30-8-2004
Mon 0201 (MT2)
9152.0 M08c ID 55084 40223 46953 CW 7-8-2004 Sat 1200 (MS)
9153.0 M08c ID 20723 80221 46952 CW 6-8-2004 Fri 1000 (MS)
9165.0 S10D 555:679-78/34= 42494, //7475 AM 14-8-2004 Sat 2130
9202.0 E10 Very poor under a strong digital signal. Could only
hear a f AM 15-8-2004 Sun 0201 (MT2)
9202.0 E10 YHF AM 27-8-2004 Fri 0430 (ZW)
9236.0 XP Russian polytone with the same msg as on Tuesday AM
13-8-2004 Fri 0600 (JS3)
9238.0 M08c ID 74751 80222 46954 (rpt of 1000z on 8136m) CW
8-8-2004 Sun 1100 (MS)
9323.0 M08c ID 55401 57451 39561 CW 8-8-2004 Sun 0900 (MS)
9323.0 V02a i/p; back up after hurricane; A _____ 16111 _____ AM
21-8-2004 Sat 0612 (BM)
9330.0 M08c (in progress - no calls) CW 6-8-2004 Fri 1200 (MS)

9448.0 E11 Calling 312/00 AM 24-8-2004 Tue 1230 (Red)
 9610.0 E11 Calling 312/00 AM 24-8-2004 Tue 1030 (Red)
 10125.0 M08c (in progress-missed callups) CW 7-8-2004 Sat 0300 (MS)
 10125.0 M08c i/p CW 10-8-2004 Tue 0322 (BM)
 10235.0 M08c ID 87072 71041 46951 CW 6-8-2004 Fri 0400 (MS)
 10235.0 XP Russian polytone with msg; ID = 205, group count =
 00161 AM 10-8-2004 Tue 0620 (JS3)
 10248 M16 VVV 8BY 914/364/912 CW 14-8-2004 1945 (DW)
 10426.0 E03 Sign on. USB 2-8-2004 Mon 2200 (N8KDV)
 10446.0 M08c CW 26-8-2004 Thu 0300 (DM)
 10504.0 E07 305:1-939/51=6610# AM 11-8-2004 Wed 1740 (HFD)
 10566.0 M08c ID ----- 61081 47411 (in progress) CW 6-8-2004 Fri
 10566.0 M08c Very strong, using letters in place of numbers, ending
 with 0 CW 11-8-2004 Wed 0013 (DCC)
 10714.0 M08c 5 "Cut" number sets. Ended "OE OE OE 0000" CW
 24-8-2004 Tue 0201 (MT2)
 10715.0 V02A New sked? Caught in progeess AM 9-8-2004 Mon 2029 (CS)
 10858.0 M08c ID 41414 61082 47412 CW 7-8-2004 Sat 1200 (MS)
 10871.0 MX "D" channel marker CW 14-8-2004 Sat 0110 (MS)
 10871.0 MX "D" channel marker CW 15-8-2004 Sun 0247 (MT2)
 10871.7 MX Cluster beacon "D" CW 0548 (WC)
 10871.7 MX Cluster beacon "D" CW 13-8-2004 Fri 0522 (AB)
 10871.8 MX Cluster beacon "P" CW 13-8-2004 Fri 0522 (AB)
 10871.8 MX Cluster beacon "P" CW 16-8-2004 1400 (SAM)
 10871.9 MX Cluster beacon "S" CW 1600 (WC)
 10871.9 MX Cluster beacon "S" CW 3-8-2004 Tue 1913 (AB)
 10871.9 MX Cluster beacon "S" CW 13-8-2004 Fri 0522 (AB)
 10872 MX Cluster beacon "C" CW 3-8-2004 Tue 1913 (AB)
 10872.0 MX "S" cluster beacon CW 7-8-2004 Sat 0227 (MS)
 10872.0 MX various beacons CW 17-8-2004 Tue 0218 (BM)
 10872.0 MX CW Beacon cluster "D" (dominant signal), "S", "C" CW
 27-8-2004 Fri 0330 (ZW)
 10872.0 MX CW beacon cluster CW 27-8-2004 Fri 1230 (ZW)
 11075.0 G06 308:0 AM 2-8-2004 Mon 1900 (HFD)
 11137.0 E07 233:1, very weak AM 5-8-2004 Thu 2030 (HFD)
 11150.0 S06 635-387/102=72036 AM 14-8-2004 Sat 1800 (HFD)
 11431.0 M08c i/p; ----- DMGNA CW 10-8-2004 Tue 0509 (BM)
 11536.0 XP Russian polytone with the same msg as 20 minutes
 before AM 10-8-2004 Tue 0640 (JS3)
 11536.0 XP Russian polytone with the same msg as on Tuesday AM
 13-8-2004 Fri 0640 (JS3)
 11545 E03 LP. Id 63240 USB 10-8-2004 Tue 1900 (AB)
 11545.0 E03 USB 1-8-2004 Sun 1900 (N8KDV)
 11545.0 E03 Sign on. USB 2-8-2004 Mon 2200 (N8KDV)
 11545.0 E03 Sign on. USB 6-8-2004 Fri 1900 (N8KDV)
 11545.0 E03 Lincolnshire Poacher melody a few times, then number
 like tha USG 17-8-2004 Tue 0017 (CSG)
 11545.0 E03 Lincolnshire poacher to number sets by YL; very poor.

USB 28-8-2004 Sat 2110 (MT2)
 11545.4 E03 melody repeated, then number like that: 80824 repeated
 and th USB 17-8-2004 Tue 1700 (CSG)
 11565.0 E10 EZI ?? ?????, 58 LXUNF//9130 AM 6-8-2004 Fri 0230
 11565.0 E10 EZI (YL/EE) AM 6-8-2004 Fri 0300 (MS)
 11565.0 E10 EZI//9130 AM 16-8-2004 Mon 0230 (BS4)
 11565.0 M08c ID 99902 17853 59412 CW 7-8-2004 Sat 0400 (MS)
 11565.0 M08c WNNDA WMUAD MMMTD CW 10-8-2004 Tue 0401 (BM)
 11565.0 V02a Carrier 1301, Numbers started without call up at 1303.
 AM 1-8-2004 Sun 1303 (MT2)
 11566.0 V02a ID 03401 93363 00811 (YL/SS) AM 6-8-2004 Fri 0300 (MS)
 11566.0 V02a ID 48341 48531 72541 (YL/SS) AM 8-8-2004 Sun 1300 (MS)
 12088.0 E07 305:1-939/51=6610# AM 11-8-2004 Wed 1720 (HFD)
 12090.0 E06 953:0 AM 12-8-2004 Thu 2100 (HFD)
 12093.0 E07 950:1-274/23=29605 AM 2-8-2004 Mon 2040 (HFD)
 12093.0 M08c ID 41414 61082 47412 (rpt of 1200z on 10858m) CW
 7-8-2004 Sat 1300 (MS)
 12180.0 V02a Unknown station. YL/SS Carrier at 0155, then into 5F
 groups a AM 11-8-2004 Wed 0155 (JM0)
 12214.0 M08c ID 08962 04822 45832 CW 6-8-2004 Fri 0300 (MS)
 12215.0 V02a (in progress - no calls) (YL/SS) AM 6-8-2004 Fri 0200
 12226.0 E07 233:1, very weak AM 5-8-2004 Thu 2010 (HFD)
 12603.0 E03 Sign on USB 1-8-2004 Sun 1500 (N8KDV)
 12603.0 E03 Sign on. USB 1-8-2004 Sun 1800 (N8KDV)
 12614.0 M13 714 (R5) BT 239 21 BT CW 13-8-2004 Fri 2000 (MS)
 12752.0 M13 253 (R5) BT 242 21 BT CW 6-8-2004 Fri 2000 (MS)
 13375.0 E03 Sign on USB 1-8-2004 Sun 1500 (N8KDV)
 13375.0 E03 Sign on. USB 1-8-2004 Sun 1700 (N8KDV)
 13375.0 E03 Sign on. USB 2-8-2004 Mon 1500 (N8KDV)
 13375.0 E03 Sign on. USB 2-8-2004 Mon 1600 (N8KDV)
 13375.0 E03 Sign on. USB 6-8-2004 Fri 1900 (N8KDV)
 13375.0 E03 Lincolnshire Poacher melody a few times, then number
 like tha USB 17-8-2004 Tue 0017 (CSG)
 13375.4 E03 USB 17-8-2004 Tue 1700 (CSG)
 13388.0 E07 305:1-939/51=6610# AM 11-8-2004 Wed 1700 (HFD)
 13505.0 E07 950:1-274/23=29605 AM 2-8-2004 Mon 2020 (HFD)
 13527.7 MX Cluster beacon "D" CW 13-8-2004 Fri 0522 (AB)
 13527.8 MX Cluster beacon "P" CW 0544 (WC)
 13527.8 MX Cluster beacon "P" CW 13-8-2004 Fri 0522 (AB)
 13527.8 MX Cluster beacon "P" CW 16-8-2004 1402 (SAM)
 13527.8 MX CW beacon cluster "S" (dominant signal), "C" CW
 27-8-2004 Fri 0330 (ZW)
 13527.8 MX CW beacon cluster CW 27-8-2004 Fri 1240 (ZW)
 13527.9 MX Cluster beacon "S" CW 3-8-2004 Tue 1913 (AB)
 13527.9 MX Cluster beacon "S" CW 13-8-2004 Fri 0522 (AB)
 13528 MX Cluster beacon "C" CW 3-8-2004 Tue 1913 (AB)
 13528.0 MX "S" cluster beacon CW 7-8-2004 Sat 0228 (MS)
 13528.0 MX Cluster beacon "C", "S" CW 23-8-2004 Mon 1245 (ZW)

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|---------|-------------|---|
| 13528.4 | MX | Cluster beacon "M" CW 1444 (WC) |
| 13533.0 | E10 | EZI2 AM 19-8-2004 Thu 0400 (BS4) |
| 14416.0 | M12 | very strong sig CW 7-8-2004 Sat 1924 (TN) |
| 14487 | E03 | LP in progress USB 19-8-2004 1846 (SP1) |
| 14487.0 | E03 | Sign on. USB 6-8-2004 Fri 1300 (N8KDV) |
| 14487.0 | E03 | About S3 here but covered with jammer QRM USB 25-8-2004 Wed 1200 (ZW) |
| 14487.0 | E03 | Almost buried under QRM (jammer?) USB 26-8-2004 Thu 1200 (ZW) |
| 14487.0 | E03 | Poacher, just above noise USB 27-8-2004 Fri 1200 (ZW) |
| 14487.0 | E03 | USB 29-8-2004 Sun 1400 (DM) |
| 14770 | S06/0 7? | Russian Man AM 26-8-2004 0030 (MC) |
| 14910.0 | E07 | 950:1-274/23=29605 AM 2-8-2004 Mon 2000 (HFD) |
| 14911.0 | E07 | Very good reception AM 16-8-2004 Mon 2000 (CS) |
| 15682.0 | E03 | Sign on. USB 6-8-2004 Fri 1200 (N8KDV) |
| 15682.0 | E03 | Sign on. USB 6-8-2004 Fri 1300 (N8KDV) |
| 15682.0 | E03 | Sign on. USB 6-8-2004 Fri 1900 (N8KDV) |
| 15682.0 | E03 | up to S3, good R, easy readable on handheld rx with telescopi USB 12-8-2004 Thu 0014 (COR) |
| 15682.0 | E03 | I/P; Barely copyable; cannot hear voice, only Poacher tune USB 12-8-2004 Thu 1300 (ZW) |
| 15682.0 | E03 | Lincolnshire Poacher melody a few times, then number like tha USB 17-8-2004 Tue 0017 (CSG) |
| 15682.0 | E03 | Extremely weak, could only hear Poacher tune in noise, no voi USB 19-8-2004 Thu 1300 (ZW) |
| 15682.0 | E03 | About S5 here, multipath echo on signal USB 25-8-2004 Wed 1200 (ZW) |
| 15682.0 | E03 | Only S2 today but copyable USB 26-8-2004 Thu 1200 (ZW) |
| 15682.0 | E03 | Better signal S3 here USB 27-8-2004 Fri 1200 (ZW) |
| 15682.4 | E03 | USB 17-8-2004 Tue 1700 (CSG) |
| 16084.0 | E03 | Sign on. USB 6-8-2004 Fri 1300 (N8KDV) |
| 16137 | M42 | Dept of State Comms, Moscow. Short msg "QSY 14568 16235 18454 QRU K" MFSK32 21-8-2004 1065 (LD0) |
| 16221 | X06 | Dept of State Comms, Moscow. Mazielka calls 31-7-2004 0752 (LD0) |
| 16331.8 | MX | Cluster beacon "P" CW 1559 (WC) |
| 16331.8 | MX | Cluster beacon "P" CW 13-8-2004 Fri 1017 (AB) |
| 16331.8 | MX | Cluster beacon "P" CW 16-8-2004 1406 (SAM) |
| 16331.9 | MX | Cluster beacon "S" CW 3-8-2004 Tue 1913 (AB) |
| 16332 | MX | Cluster beacon "C" CW 3-8-2004 Tue 1913 (AB) |
| 18247 | M42 | Dept of State Comms, Moscow. Msg on link 00063 MFSK32 31-7-2004 0824 (LD0) |
| 18506 | M42 | Dept of State Comms, Moscow. Msg on link 60047 MFSK32 31-7-2004 0816 (LD0) |
| 18864 | E04 | Cherry Ripe USB 5-8-2004 2232 (SP1) |
| 18864.0 | E04 | Cherry Ripe In and out of noise, QSB USB 26-8-2004 Thu 2200 (ZW) |

18864.0 E04 Cherry Ripe again USB 26-8-2004 Thu 2300 (ZW)
18864.0 E04 Cherry Ripe, just above noise USB 27-8-2004 Fri 1200

<<<<>>>>

::: Contributors to the Logs Section

| | |
|-------|---------------------------------|
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| AB | Ary Boender, Netherlands |
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| AtB | Attu Bosch, AK, USA |
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| CS | Chris Smolinski, USA |
| CSG | Carlos, S. Germany |
| DCC | DCC, OR, USA |
| DM | Dan Malloy, MA, USA |
| DW | Day Watson, UK |
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| LDO | Leif Dehio, Germany |
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| MT2 | Mark Taylor, WI, USA |
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| SAM | Sam |
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| TI | Tomonori Izumi, Japan |
| TN | Tom Norris, TN, USA |
| TRI | Tony Ritchie |
| TY | Takashi Yamaguchi, Japan |
| WC | Walter Capozza, Italy |
| WP3 | Wolfgang Palmberger |
| ZW | Zack Widup, ILL, USA |

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